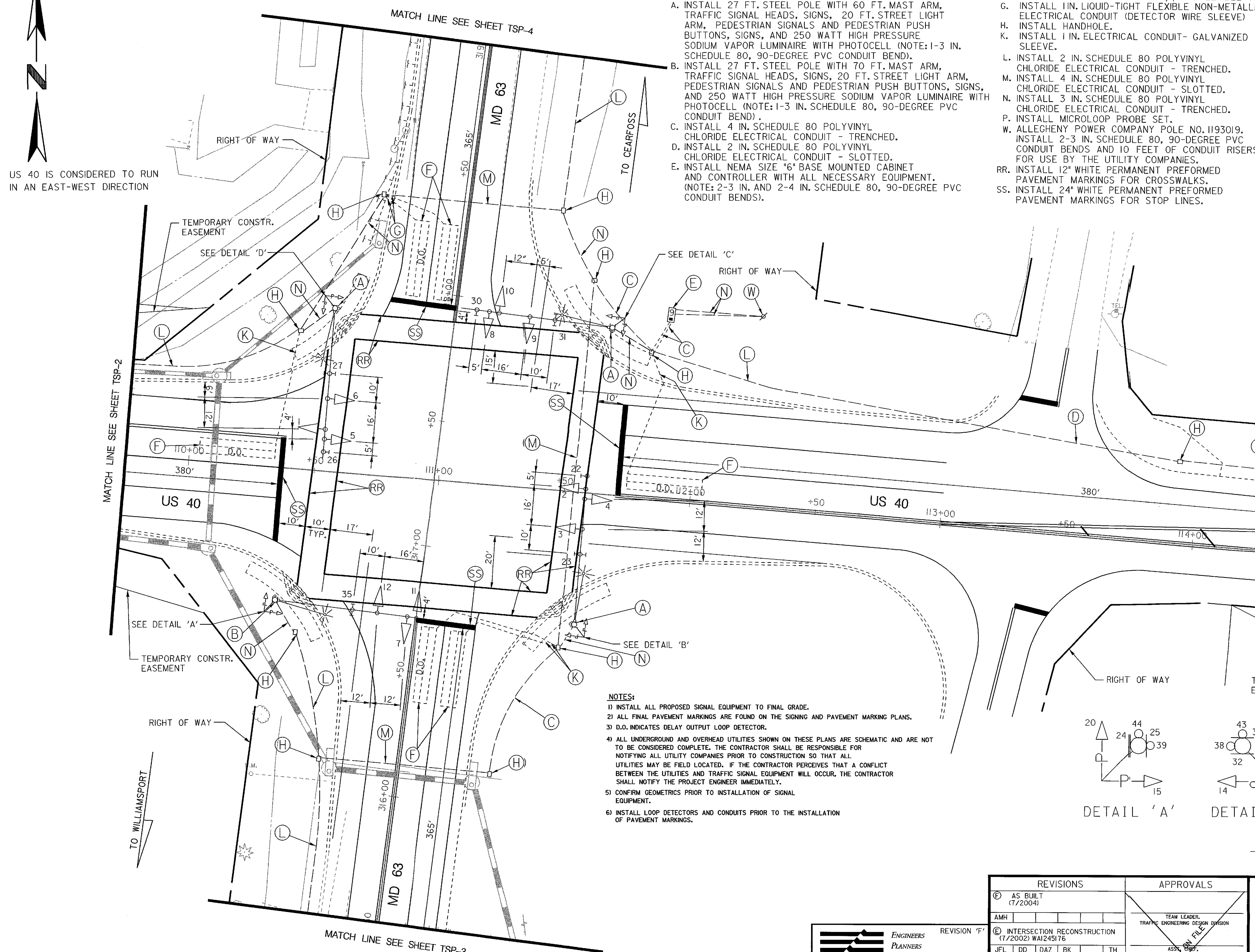
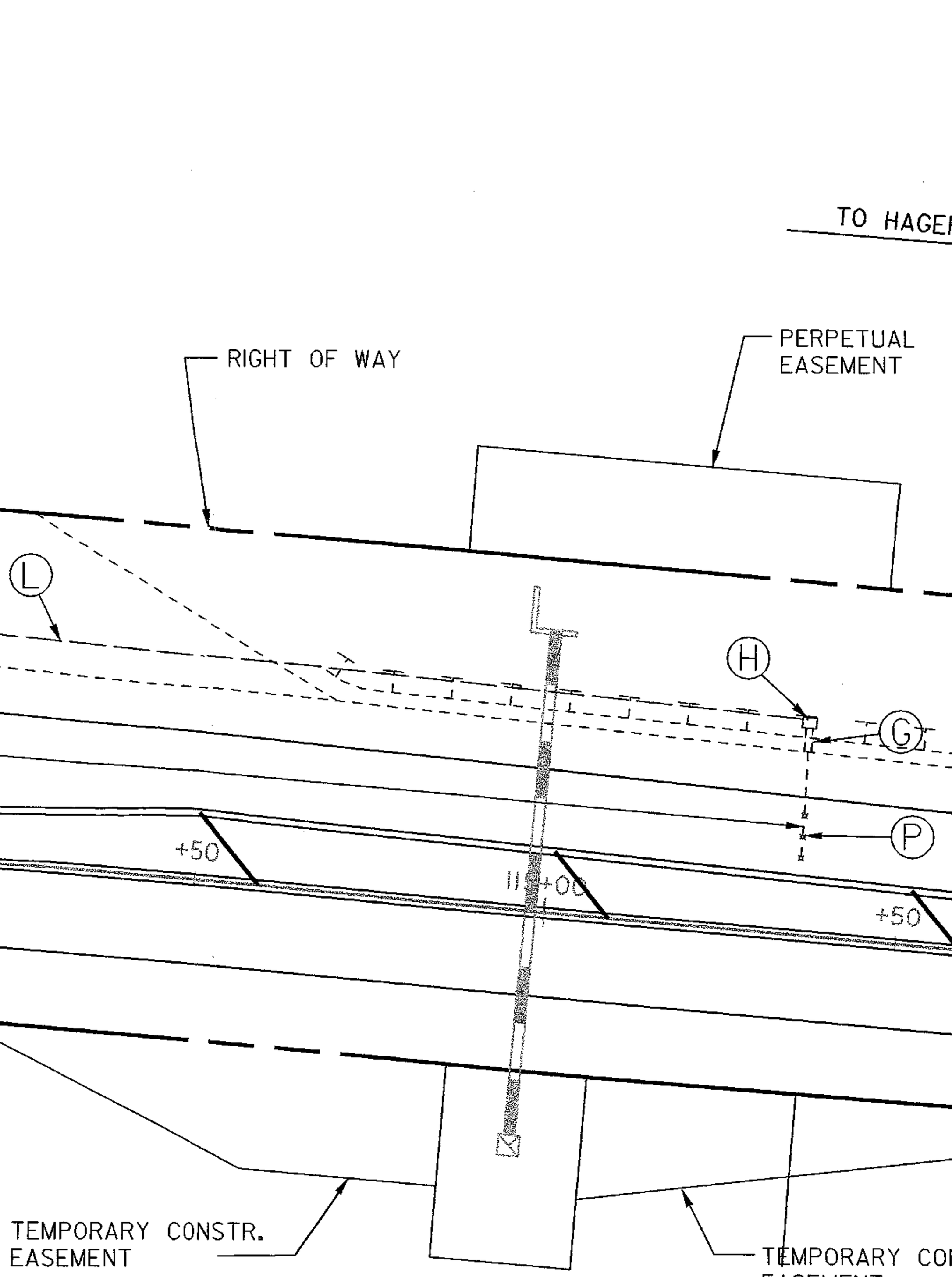
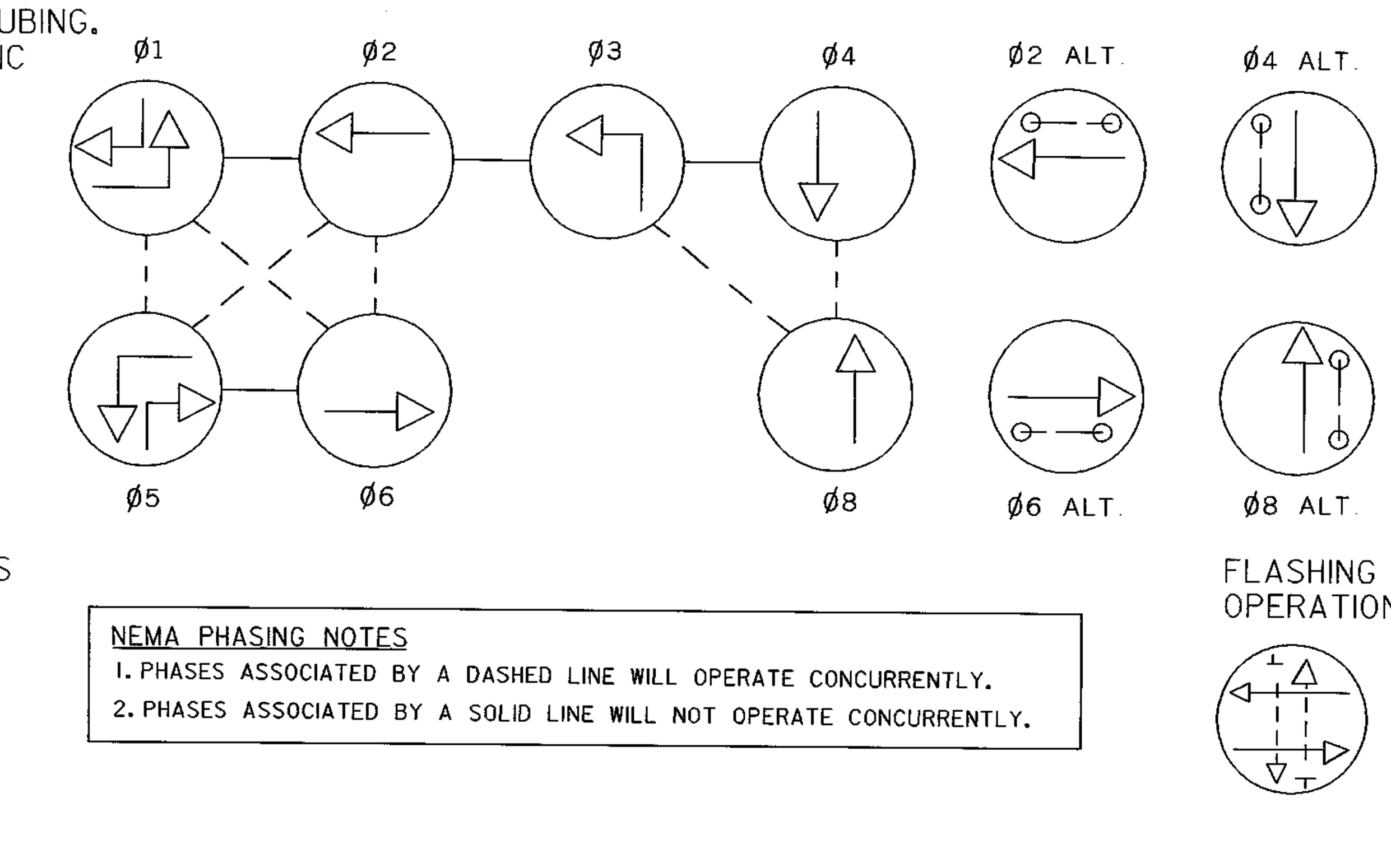



CONSTRUCTION DETAILS

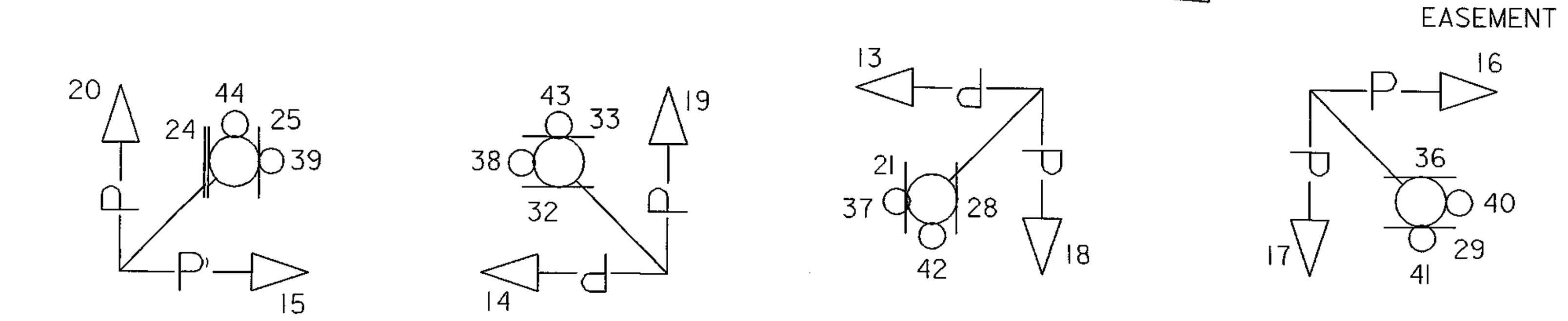
A. INSTALL 27 FT. STEEL POLE WITH 60 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, 20 FT. STREET LIGHT ARM, PEDESTRIAN SIGNALS AND PEDESTRIAN PUSH BUTTONS, SIGNS, AND 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE WITH PHOTOCELL (NOTE: 1-3 IN. SCHEDULE 80, 90-DEGREE PVC CONDUIT BEND).
B. INSTALL 27 FT. STEEL POLE WITH 70 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, 20 FT. STREET LIGHT ARM, PEDESTRIAN SIGNALS AND PEDESTRIAN PUSH BUTTONS, SIGNS, AND 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE WITH PHOTOCELL (NOTE: 1-3 IN. SCHEDULE 80, 90-DEGREE PVC CONDUIT BEND).
C. INSTALL 4 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED.
D. INSTALL 2 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - SLOTTED.
E. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. (NOTE: 2-3 IN. AND 2-4 IN. SCHEDULE 80, 90-DEGREE PVC CONDUIT BENDS).
F. INSTALL 6 FT. X 30 FT. QUADRUPOLE (3-6-3) TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
G. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)
H. INSTALL HANDHOLE.
K. INSTALL 1 IN. ELECTRICAL CONDUIT- GALVANIZED SLEEVE.
L. INSTALL 2 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED.
M. INSTALL 4 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - SLOTTED.
N. INSTALL 3 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED.
P. INSTALL MICROLOOP PROBE SET.
W. ALLEGHENY POWER COMPANY POLE NO. 1193019. INSTALL 2-3 IN. SCHEDULE 80, 90-DEGREE PVC CONDUIT BENDS AND 10 FEET OF CONDUIT RISERS FOR USE BY THE UTILITY COMPANIES.
RR. INSTALL 12" WHITE PERMANENT PREFORMED PAVEMENT MARKINGS FOR CROSSWALKS.
SS. INSTALL 24" WHITE PERMANENT PREFORMED PAVEMENT MARKINGS FOR STOP LINES.

NEMA PHASING



NEMA PHASING NOTES
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

NOTES:
1) INSTALL ALL PROPOSED SIGNAL EQUIPMENT TO FINAL GRADE.
2) ALL FINAL PAVEMENT MARKINGS ARE FOUND ON THE SIGNING AND PAVEMENT MARKING PLANS.
3) D.O. INDICATES DELAY OUTPUT LOOP DETECTOR.
4) ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE FIELD LOCATED. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.
5) CONFIRM GEOMETRICS PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT.
6) INSTALL LOOP DETECTORS AND CONDUITS PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.



SIGNAL POLE DETAILS
NOT TO SCALE

TSP-1

REVISIONS
(F) AS BUILT (7/2004) — AMH
(E) INTERSECTION RECONSTRUCTION (7/2002) WA1245176 — JFL, DD, DAZ, BK, TH
D ADD LEAD LT FOR WB US 40 & RELOCATE SIGNAL HEADS
C 4-6-95 ADD NB MD 63 E/P LT

APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
ORIGINAL ON FILE

KCI TECHNOLOGIES
Engineers Planners Scientists Construction Managers
REVISION 'F'
10 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
21030-1888
(410) 316-7800

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
US 40 AND MD 63
AS BUILT

DRAWN BY:	B.T./J.G.	F.A.P. NO.	N/A	TS NO. 1199E- P1	SHEET NO.
CHECKED BY:	A.B.	S.H.A. NO.	W-657-501-685		
SCALE:	1" = 20'	COUNTY:	WASHINGTON	T.I.M.S. NO.	
DATE:	2/07/77	LOG MILE:	#21004014.54	E486	1 OF 5

PLOTTED: "03:37 PM on Thursday, July 08, 2004"
BY: Aaron Hottenstein Division: Transportation
FILE: m:\1998\0198175.J\drawings\AS Built\GP2lus40.dgn